

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/588,104
Source: TFWP
Date Processed by STIC: 08/10/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/588,104

TIME: 11:02:40

Input Set : A:\004974.01207 SEQUENCE LISTING.txt

Output Set: N:\CRF4\08102006\J588104.raw

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/588,104

DATE: 08/10/2006
TIME: 11:02:40

Input Set : A:\004974.01207 SEQUENCE LISTING.txt
Output Set: N:\CRF4\08102006\J588104.raw

50	aagttaaact taggaacagt tgggtttat cgaccaggc acagctctgc catgctggaa	1860
51	agtttattac caggcattcg tgaccccttc ctgccccctg tggatcgact tggattacag	1920
52	aatgacacctct tcctccttggc tcgagctgga atcattagca ctgttagaggt tctaaaagtc	1980
53	atggaggcctt ttgtaatgc gccaattat actgtatgga gcgacctgag ctgtaacctg	2040
54	gggattctct caactctctt gtcccacaca gacttctatg agggaaatcca ggagtttg	2100
55	aaagatgtct ttccacctat agggagaga ctggctggg accccaaacc tggagaaggt	2160
56	catctcgatg cactcctgag gggcttgggtt ctggaaaac tagaaaaagc aggacataag	2220
57	gcaacgttag aagaagcccg tcgtcggtt aaggaccacg tggaaaggaaa acagattctc	2280
58	tccgctgatc tgaggagtcc tgtctatctg actgtttga agcatggta tggcactact	2340
59	ttagatatta tgtaaaact tcataaaacaa gcagatatgc aagaagagaa aaaccgaatc	2400
60	gaaagagtcc ttggcgctac tcctttgcct gacctgattc aaaaagtctt cacgtttgca	2460
61	cttcagaag aggtacgtcc acaggacact gtatcgtaa ttgggtggagt agctggaggc	2520
62	agcaagcatg gtaggaaagg tgcttggaaa ttctaaaagg acaactggga agaactttat	2580
63	aaccgatacc agggaggatt ctaatatatcc agactaataa agctatcgt tgaggattt	2640
64	gcagttgata aaatggctgg agaggttaag gctttctcg agagtcaccc agctccctca	2700
65	gctgagcgtt ccatccagca gtgttgtgaa aatattctgc tgaatgctgc ctggctaaag	2760
66	cgagatgctg agagcatcca ccagtaccc tcctcagcgga aggccctcacc acccacagt	2820
67	tgaatcctga ggtgcccca ttggcggttc tgctgctcg ctgcaggat aaggtggagc	2880
68	taccgaacag ctgattcata tgccaaagaat ttggagtctt ctttcaaacc agtgggggtt	2940
69	ggacaatgaa ttagttaac tgtagtgc tcacactcca gaattaaatt ctattgaaaa	3000
70	aggaaaatca gcaattcagc aaaaaaataa ataaaaaataa aaaatgtaaa tatgatagta	3060
71	ataaaataga gcataacgaa actgtgaaac tttctgaagc ttgtcagtg gttaaaagta	3120
72	tttaaacactc tactgttaat gacagatgtt ctgttttat aacctaccaa aaggaaaacta	3180
73	gaggcttctt ggtgaagagc attttgtga agtgggtct gcaaggagcc tataaagcca	3240
74	agggtgggtt ccattctgg gaatggtaa acacaaaagg ctgatagctg gtatcacata	3300
75	gttggagtca gtgcataatt ccaagtggct tttttttt ttggcacgg gactgatcag	3360
76	gaagatatat tcctgcataa ctaaatctga accaaggatt gtagtttagt ttccctcctt	3420
77	gcottccctt ctgtgtgacc gacccttgg caaaaaaaaa aacaaaaagg aaaaaacaaa	3480
78	aacctaccct gttctgttt tttctccc tttagttcca ccccaaccc ccattccctg	3540
79	gtgtcctct tagagatgaa gaaataataa gggaaacatct ttcatagcca cattaaataa	3600
80	gagaaactga tatacattat tttttctt ttaaagatga ttataagaa ccctgaaatt	3660
81	tatataggtg agacaataga aataaaaaga tcctcagcca ggccttctg aaggagttt	3720
82	tctgctaaaa atggctttag ttgtctgaaa agccagctt tgaacctctt cacaacagta	3780
83	tcaacactgg ctctcccg ttcattttat gctgtcgaga agtcagtggt aactgctgca	3840
84	gggcttaata cattagtggta aactggttt aaaaacaaag actgtaaagcc tgggtgtgcc	3900
85	actgtttgtt tcaacagttt atcctactaa taagcctcac ctatctaattt caatgagttt	3960
86	taaatctaaa tctcattccc ttcttcttcc cttttttttt ttctttaaaaa	4020
87	aatattttgt gttattaaaca gaaattcata ttgggtgtgg cttacggta ttccagaagg	4080
88	tcatcagatt gtgagactgc ttccctgaaa cattttgtt ctattgttt aaaaataaa	4140
89	ttaaaaaaca gttggcggtt ataaaaatgt caatgtt	4177
91	<210> SEQ ID NO: 2	
92	<211> LENGTH: 919	
93	<212> TYPE: PRT	
94	<213> ORGANISM: Homo sapiens	
96	<400> SEQUENCE: 2	
97	Met Trp Leu Ala Ala Ala Pro Ser Leu Ala Arg Arg Leu Leu Phe	
98	1 5 10 15	
99	Leu Gly Pro Pro Pro Pro Leu Leu Leu Val Phe Ser Arg Ser	
100	20 25 30	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/588,104

DATE: 08/10/2006
TIME: 11:02:40

Input Set : A:\004974.01207 SEQUENCE LISTING.txt
Output Set: N:\CRF4\08102006\J588104.raw

101 Ser Arg Arg Arg Leu His Ser Leu Gly Leu Ala Ala Met Pro Glu Lys
102 35 40 45
103 Arg Pro Phe Glu Arg Leu Pro Ala Asp Val Ser Pro Ile Asn Tyr Ser
104 50 55 60
105 Leu Cys Leu Lys Pro Asp Leu Leu Asp Phe Thr Phe Glu Gly Lys Leu
106 65 70 75 80
107 Glu Ala Ala Ala Gln Val Arg Gln Ala Thr Asn Gln Ile Val Met Asn
108 85 90 95
109 Cys Ala Asp Ile Asp Ile Ile Thr Ala Ser Tyr Ala Pro Glu Gly Asp
110 100 105 110
111 Glu Glu Ile His Ala Thr Gly Phe Asn Tyr Gln Asn Glu Asp Glu Lys
112 115 120 125
113 Val Thr Leu Ser Phe Pro Ser Thr Leu Gln Thr Gly Thr Gly Thr Leu
114 130 135 140
115 Lys Ile Asp Phe Val Gly Glu Leu Asn Asp Lys Met Lys Gly Phe Tyr
116 145 150 155 160
117 Arg Ser Lys Tyr Thr Thr Pro Ser Gly Glu Val Arg Tyr Ala Ala Val
118 165 170 175
119 Thr Gln Phe Glu Ala Thr Asp Pro Arg Arg Ala Phe Pro Cys Trp Asp
120 180 185 190
121 Glu Pro Ala Ile Lys Ala Thr Phe Asp Ile Ser Leu Val Val Pro Lys
122 195 200 205
123 Asp Arg Val Ala Leu Ser Asn Met Asn Val Ile Asp Arg Lys Pro Tyr
124 210 215 220
125 Pro Asp Asp Glu Asn Leu Val Glu Val Lys Phe Ala Arg Thr Pro Val
126 225 230 235 240
127 Met Ser Thr Tyr Leu Val Ala Phe Val Val Gly Glu Tyr Asp Phe Val
128 245 250 255
129 Glu Thr Arg Ser Lys Asp Gly Val Cys Val Arg Val Tyr Thr Pro Val
130 260 265 270
131 Gly Lys Ala Glu Gln Gly Lys Phe Ala Leu Glu Val Ala Ala Lys Thr
132 275 280 285
133 Leu Pro Phe Tyr Lys Asp Tyr Phe Asn Val Pro Tyr Pro Leu Pro Lys
134 290 295 300
135 Ile Asp Leu Ile Ala Ile Ala Asp Phe Ala Ala Gly Ala Met Glu Asn
136 305 310 315 320
137 Trp Gly Leu Val Thr Tyr Arg Glu Thr Ala Leu Ile Asp Pro Lys
138 325 330 335
139 Asn Ser Cys Ser Ser Arg Gln Trp Val Ala Leu Val Val Gly His
140 340 345 350
141 Glu Leu Ala His Gln Trp Phe Gly Asn Leu Val Thr Met Glu Trp Trp
142 355 360 365
143 Thr His Leu Trp Leu Asn Glu Gly Phe Ala Ser Trp Ile Glu Tyr Leu
144 370 375 380
145 Cys Val Asp His Cys Phe Pro Glu Tyr Asp Ile Trp Thr Gln Phe Val
146 385 390 395 400
147 Ser Ala Asp Tyr Thr Arg Ala Gln Glu Leu Asp Ala Leu Asp Asn Ser
148 405 410 415
149 His Pro Ile Glu Val Ser Val Gly His Pro Ser Glu Val Asp Glu Ile

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/588,104

DATE: 08/10/2006
TIME: 11:02:40

Input Set : A:\004974.01207 SEQUENCE LISTING.txt
Output Set: N:\CRF4\08102006\J588104.raw

150	420	425	430
151	Phe Asp Ala Ile Ser Tyr Ser Lys Gly Ala Ser Val Ile Arg Met Leu		
152	435	440	445
153	His Asp Tyr Ile Gly Asp Lys Asp Phe Lys Lys Gly Met Asn Met Tyr		
154	450	455	460
155	Leu Thr Lys Phe Gln Gln Lys Asn Ala Ala Thr Glu Asp Leu Trp Glu		
156	465	470	475
157	480	485	490
158	Ser Leu Glu Asn Ala Ser Gly Lys Pro Ile Ala Ala Val Met Asn Thr		
159	495	500	505
160	Trp Thr Lys Gln Met Gly Phe Pro Leu Ile Tyr Val Glu Ala Glu Gln		
161	510	515	520
162	525	530	535
163	Gly Gly Ser Tyr Val Gly Glu Asp Cys Pro Gln Trp Met Val Pro Ile		
164	540	545	550
165	Thr Ile Ser Thr Ser Glu Asp Pro Asn Gln Ala Lys Leu Lys Ile Leu		
166	560	565	570
167	Met Asp Lys Pro Glu Met Asn Val Val Leu Lys Asn Val Lys Pro Asp		
168	575	580	585
169	590	595	600
170	605	610	615
171	Tyr Ser Ser Ala Met Leu Glu Ser Leu Leu Pro Gly Ile Arg Asp Leu		
172	620	625	630
173	625	630	635
174	640	645	650
175	655	660	665
176	670	675	680
177	675	680	685
178	685	690	695
179	695	700	705
180	705	710	715
181	720	725	730
182	725	730	735
183	735	740	745
184	750	755	760
185	755	760	765
186	765	770	775
187	775	780	785
188	785	790	795
189	800	805	810
190	815		
191			
192			
193			
194			
195			
196			
197			
198			

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/588,104

DATE: 08/10/2006

TIME: 11:02:40

Input Set : A:\004974.01207 SEQUENCE LISTING.txt

Output Set: N:\CRF4\08102006\J588104.raw

199 Ala Gly Gly Ser Lys His Gly Arg Lys Ala Ala Trp Lys Phe Ile Lys
 200 820 825 830
 201 Asp Asn Trp Glu Glu Leu Tyr Asn Arg Tyr Gln Gly Gly Phe Leu Ile
 202 835 840 845
 203 Ser Arg Leu Ile Lys Leu Ser Val Glu Gly Phe Ala Val Asp Lys Met
 204 850 855 860
 205 Ala Gly Glu Val Lys Ala Phe Phe Glu Ser His Pro Ala Pro Ser Ala
 206 865 870 875 880
 207 Glu Arg Thr Ile Gln Gln Cys Cys Glu Asn Ile Leu Leu Asn Ala Ala
 208 885 890 895
 209 Trp Leu Lys Arg Asp Ala Glu Ser Ile His Gln Tyr Leu Leu Gln Arg
 210 900 905 910
 211 Lys Ala Ser Pro Pro Thr Val
 212 915
 214 <210> SEQ ID NO: 3
 215 <211> LENGTH: 18
 216 <212> TYPE: DNA
 217 <213> ORGANISM: artificial sequence
 219 <220> FEATURE:
 220 <223> OTHER INFORMATION: forward primer
 222 <400> SEQUENCE: 3
 223 ttctctgccc ccctgtgg 18
 225 <210> SEQ ID NO: 4
 226 <211> LENGTH: 23
 227 <212> TYPE: DNA
 228 <213> ORGANISM: artificial sequence
 230 <220> FEATURE:
 231 <223> OTHER INFORMATION: reverse primer
 233 <400> SEQUENCE: 4
 234 agtgctaatttccatgttc gag 23
 236 <210> SEQ ID NO: 5
 237 <211> LENGTH: 33
 238 <212> TYPE: DNA
 239 <213> ORGANISM: artificial sequence
 241 <220> FEATURE:
 242 <223> OTHER INFORMATION: probe
 244 <400> SEQUENCE: 5
 245 cgacttggat tacagaatga cctttctcc ttg 33

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/588,104

DATE: 08/10/2006

TIME: 11:02:41

Input Set : A:\004974.01207 SEQUENCE LISTING.txt

Output Set: N:\CRF4\08102006\J588104.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date